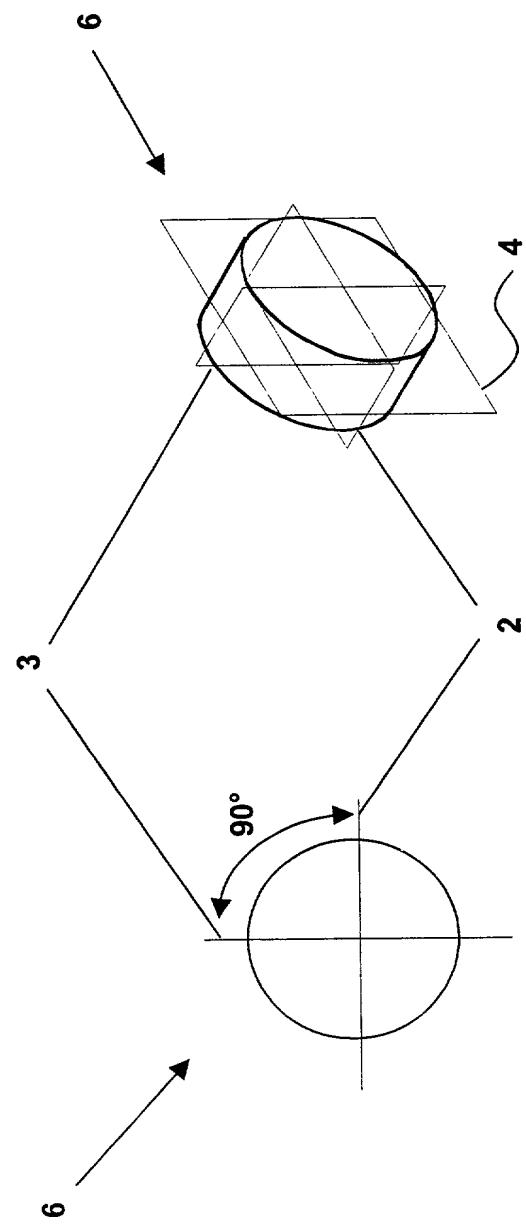


FIG. 1

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**FIG. 2**

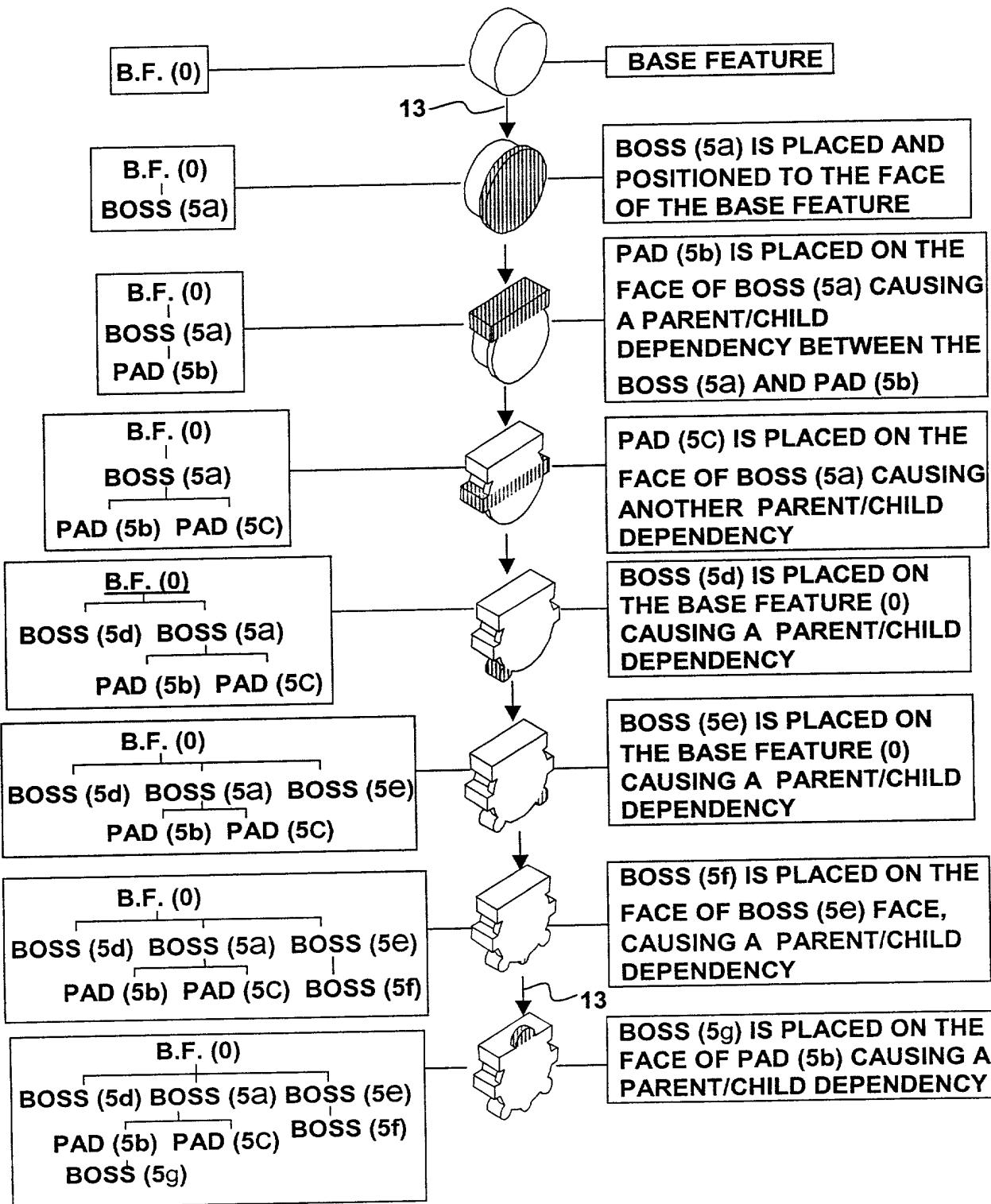


FIG. 3

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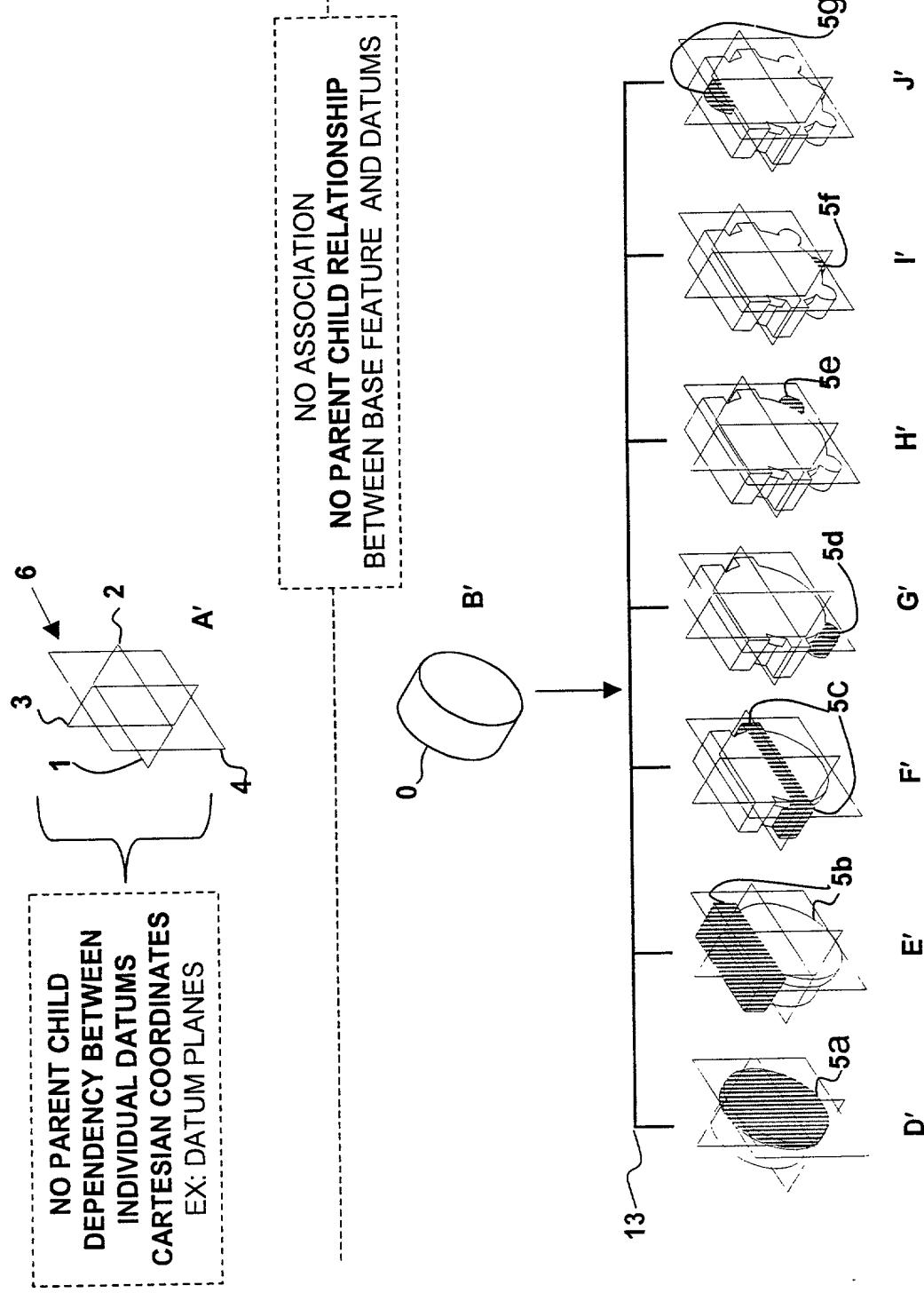


FIG. 4

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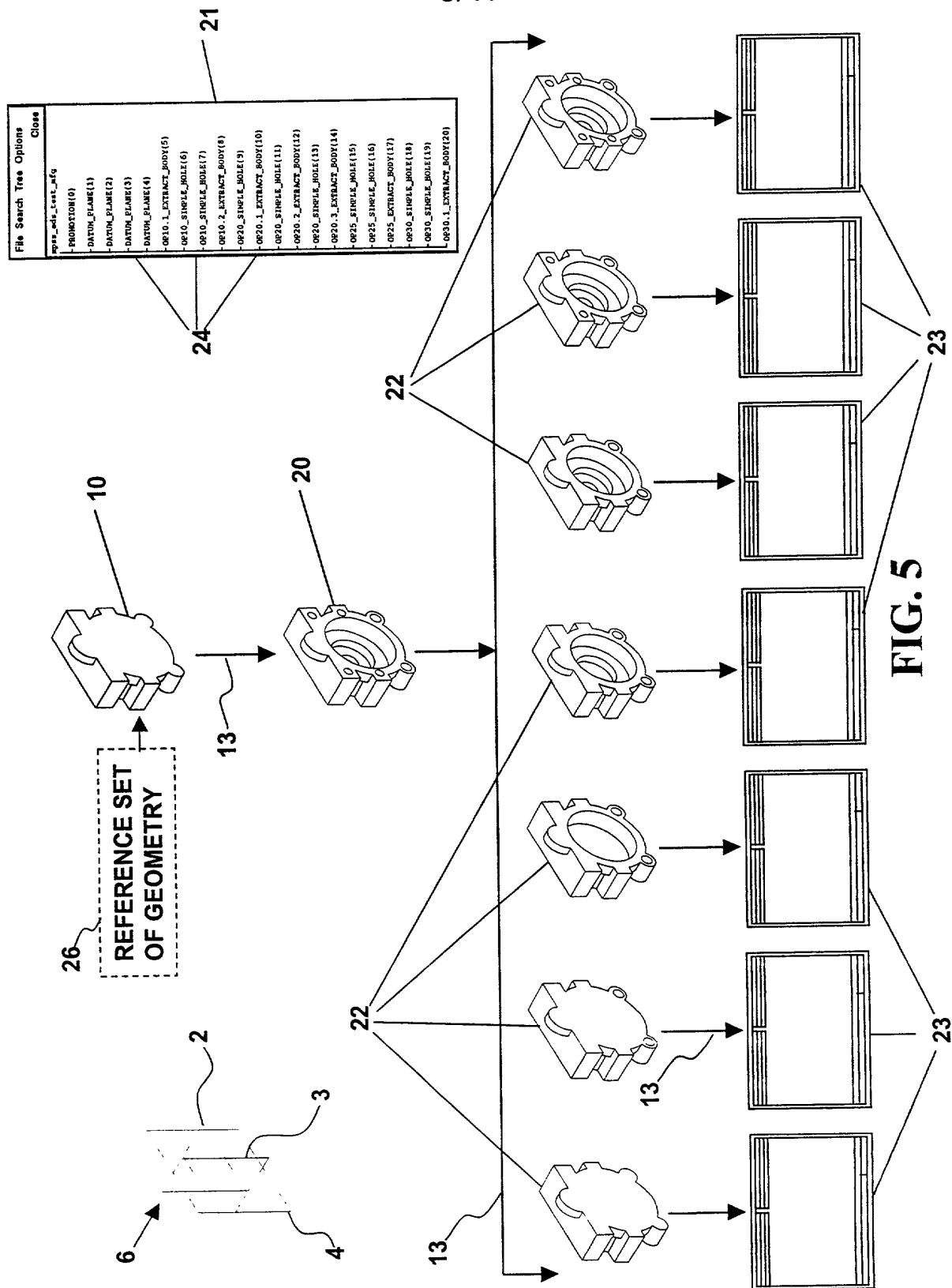


FIG. 5

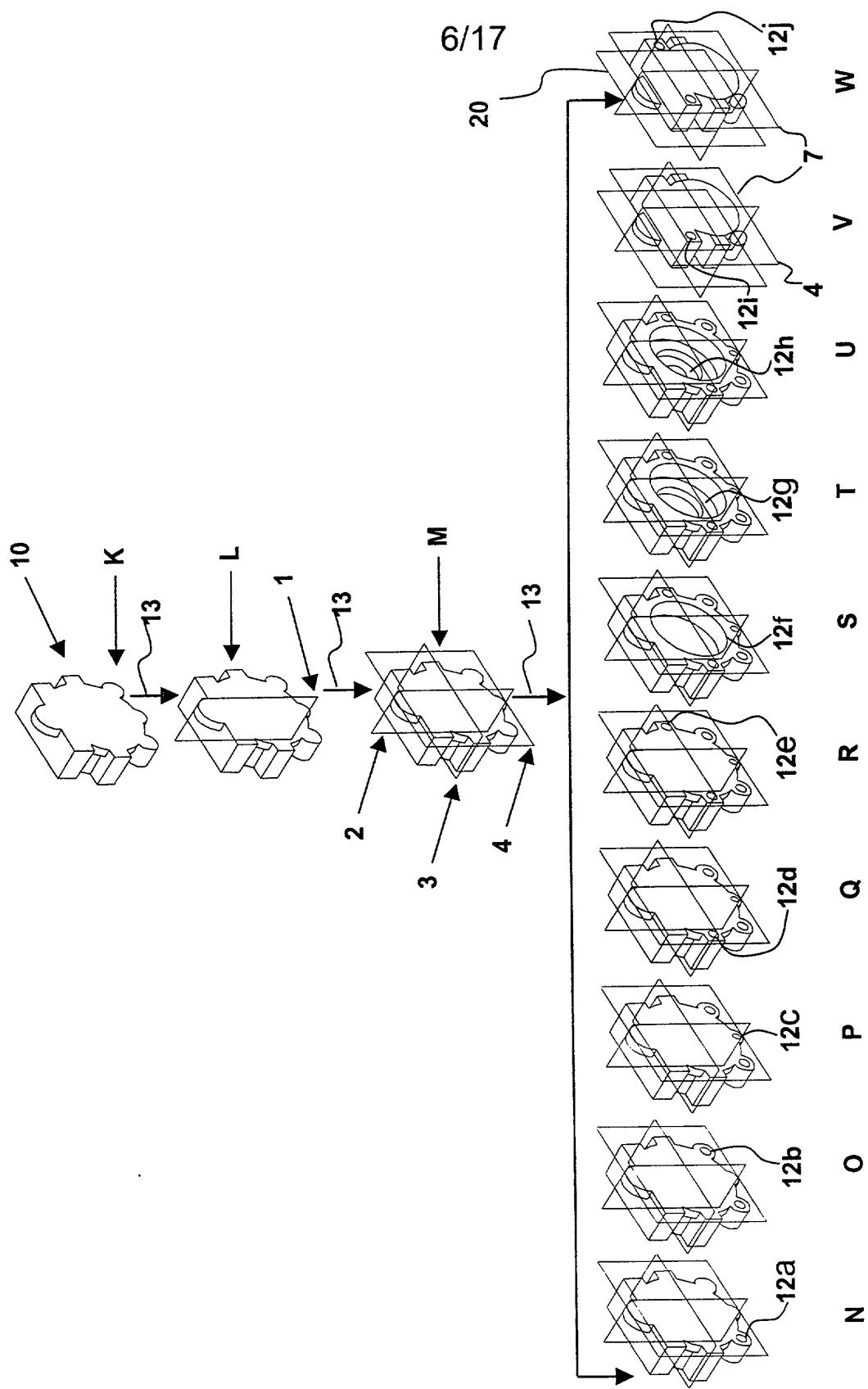


FIG. 6

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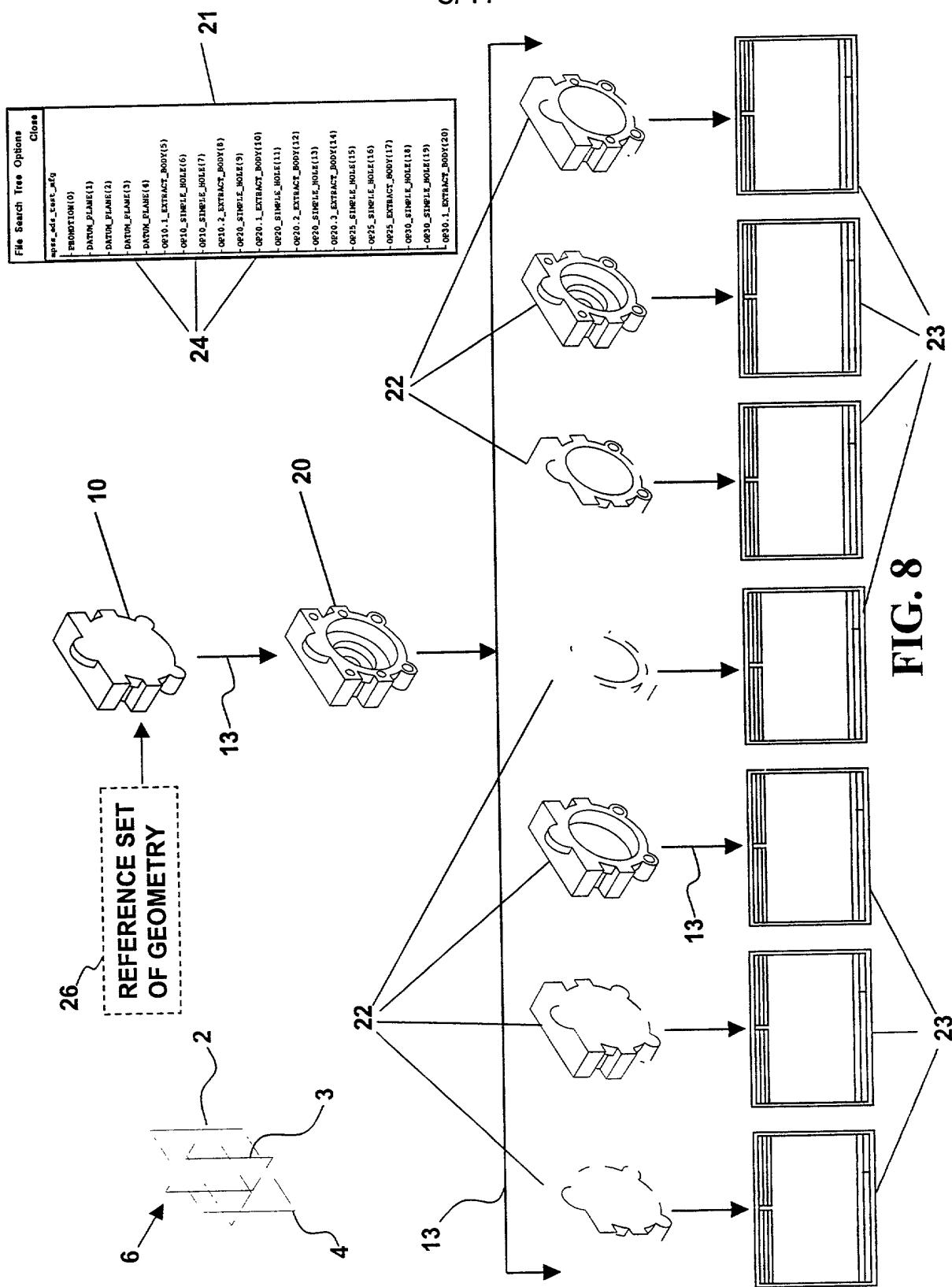


FIG. 8

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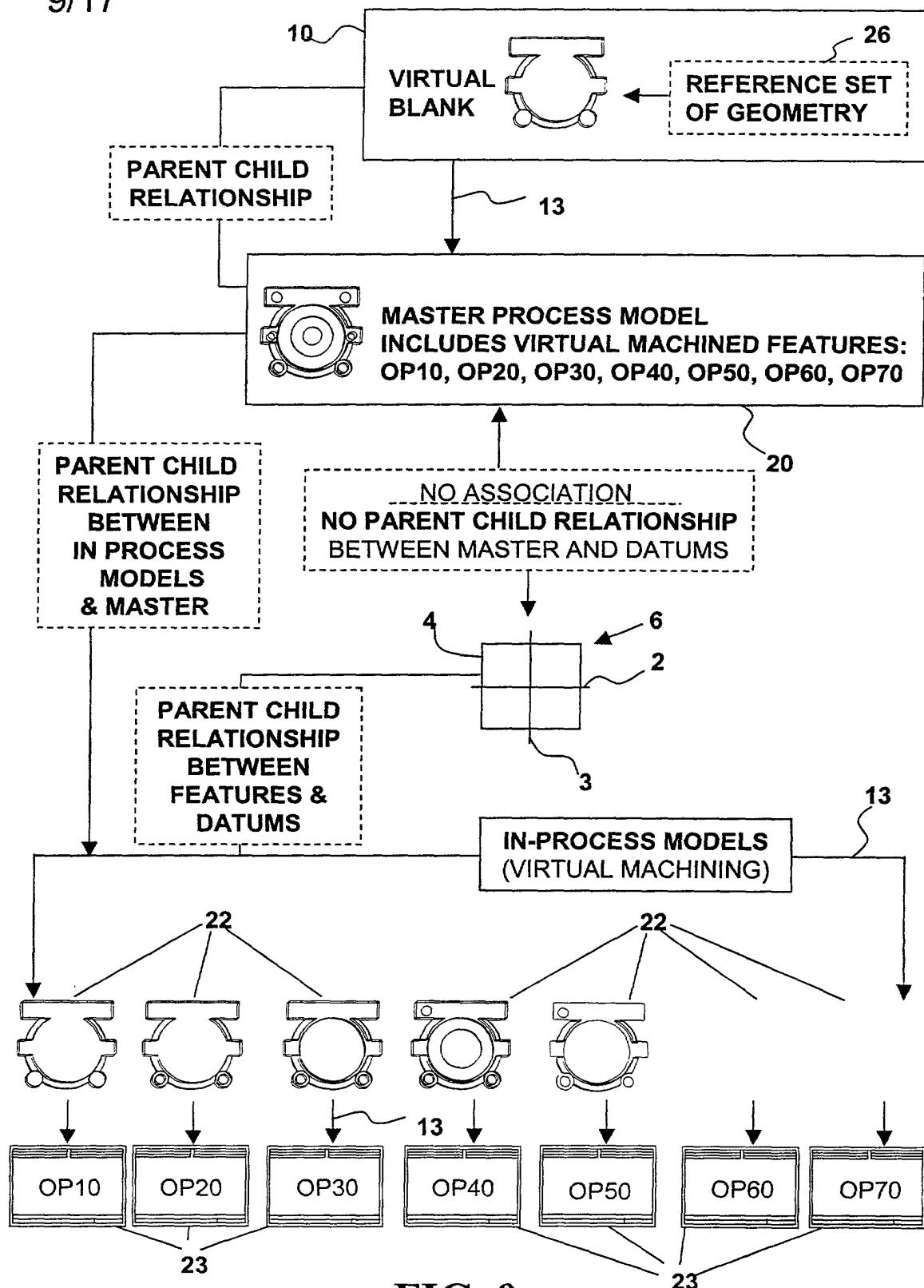


FIG. 9

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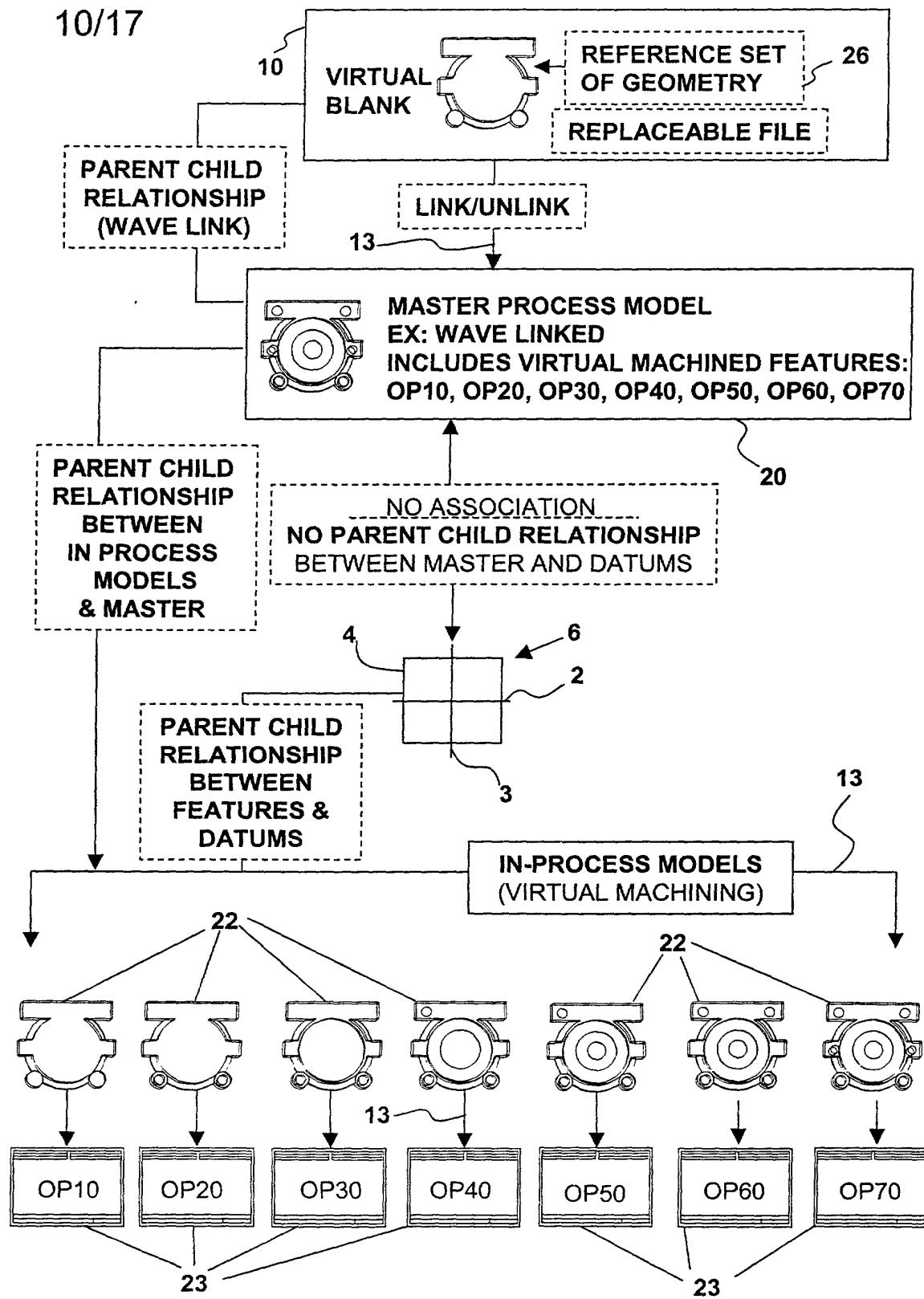


FIG. 10

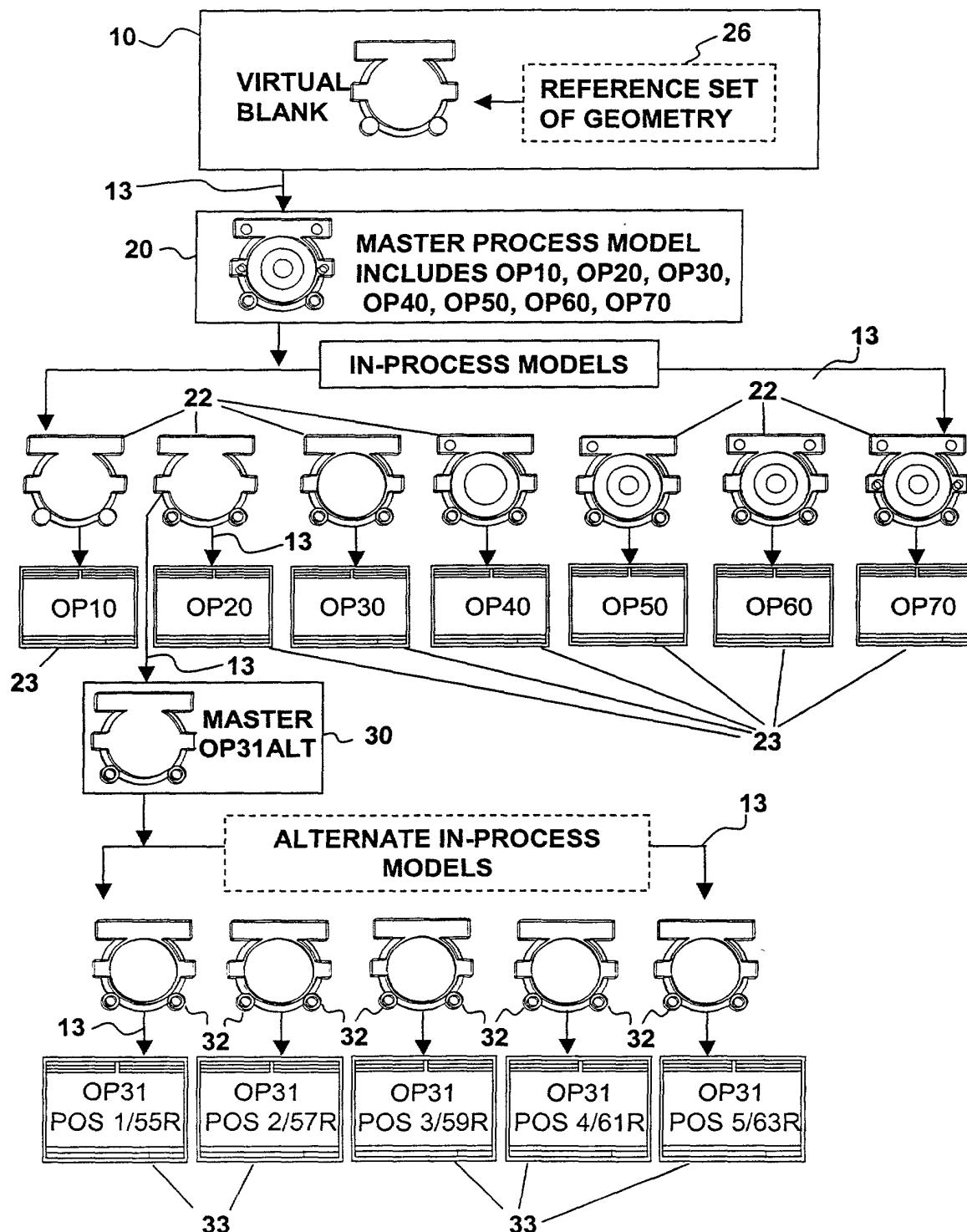


FIG. 11

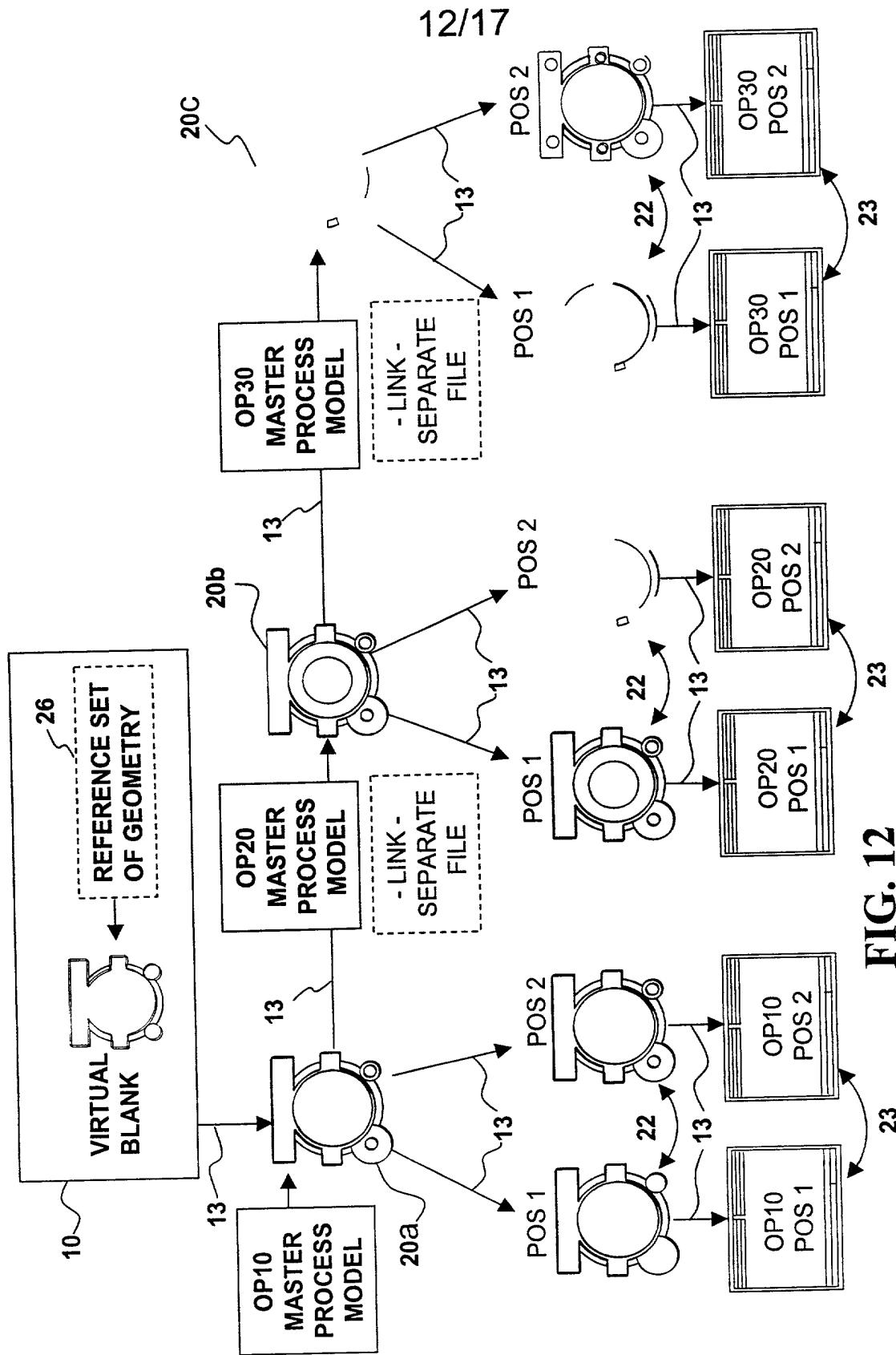


FIG. 12

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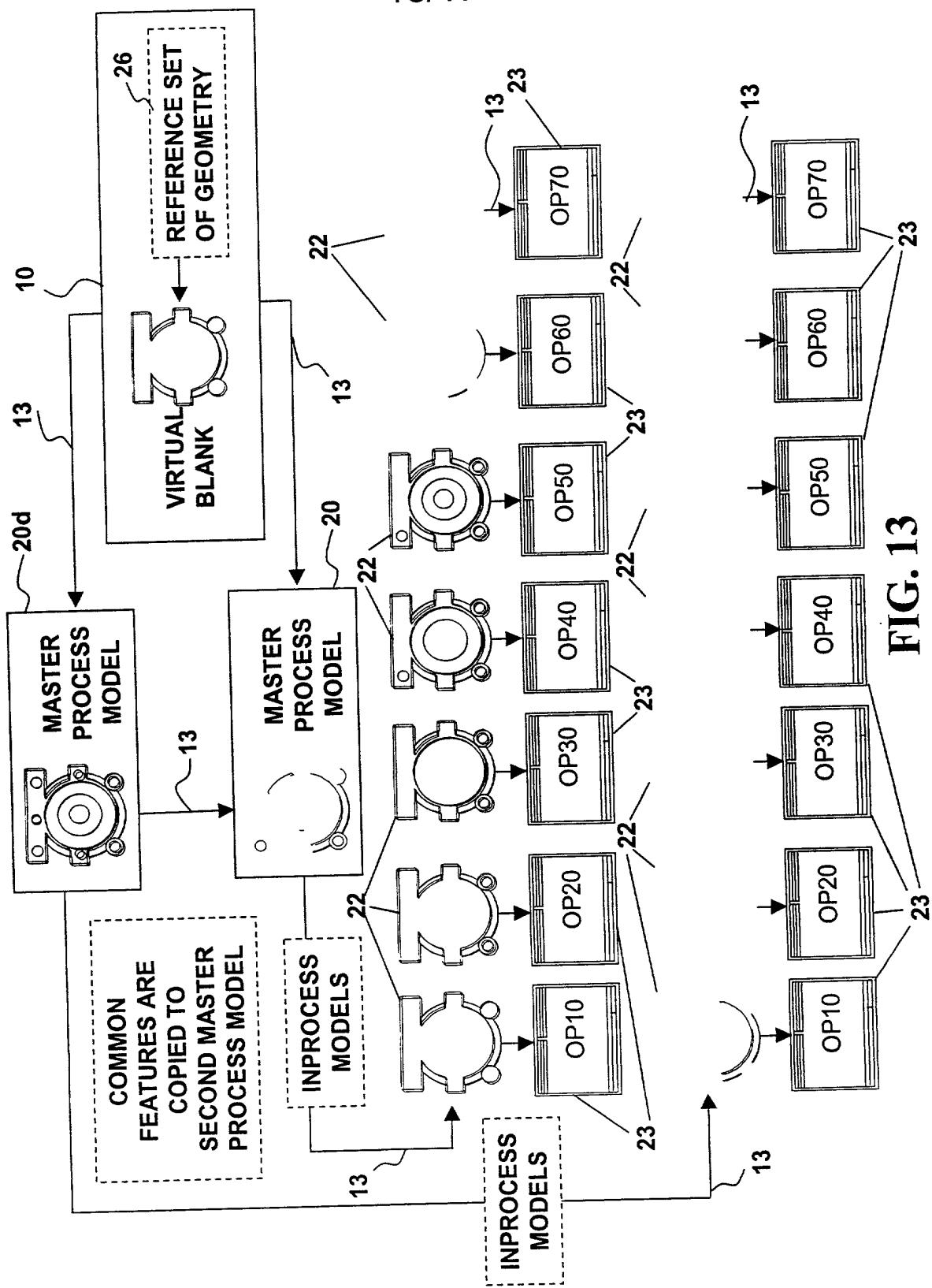


FIG. 13

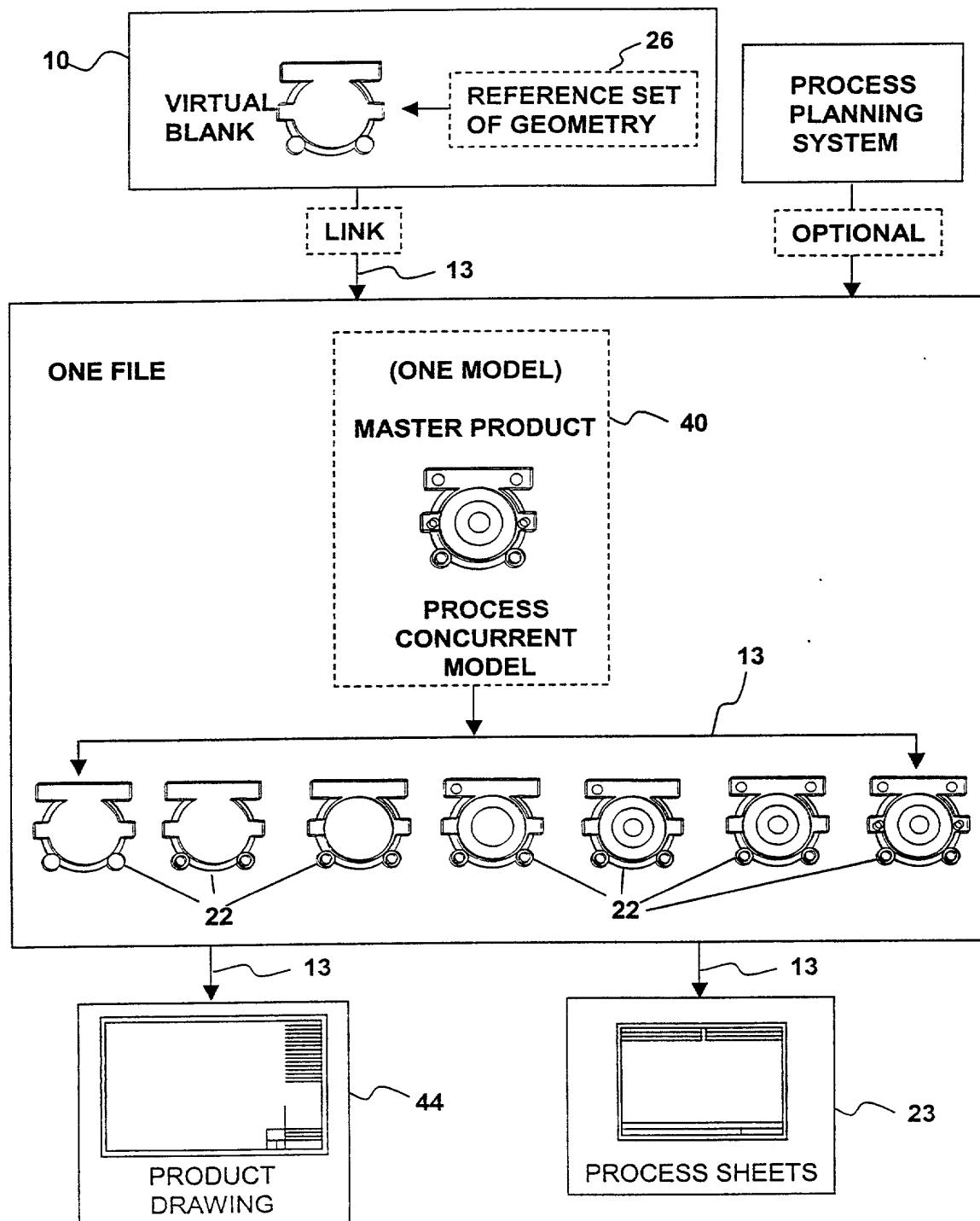


FIG. 14

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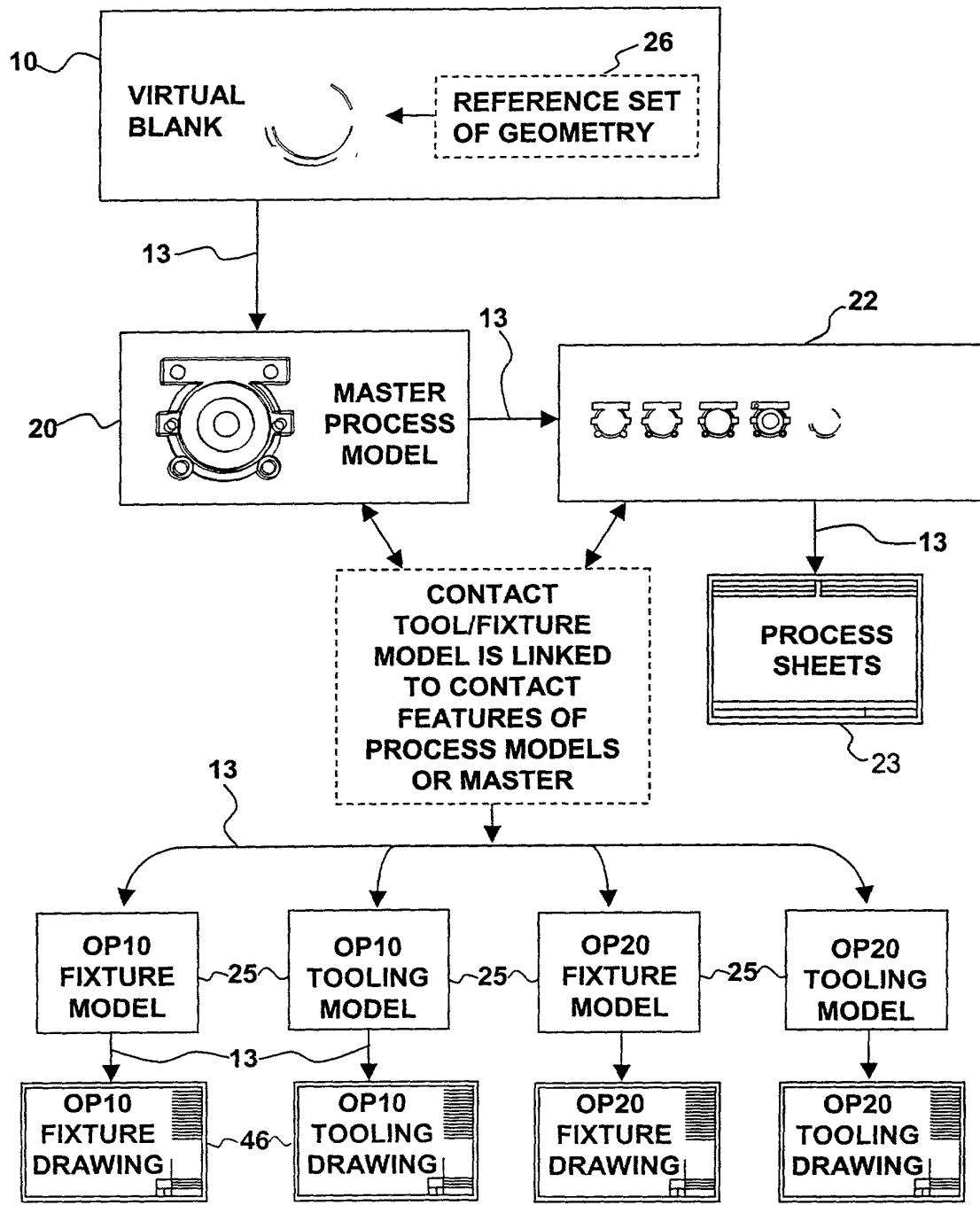


FIG. 15

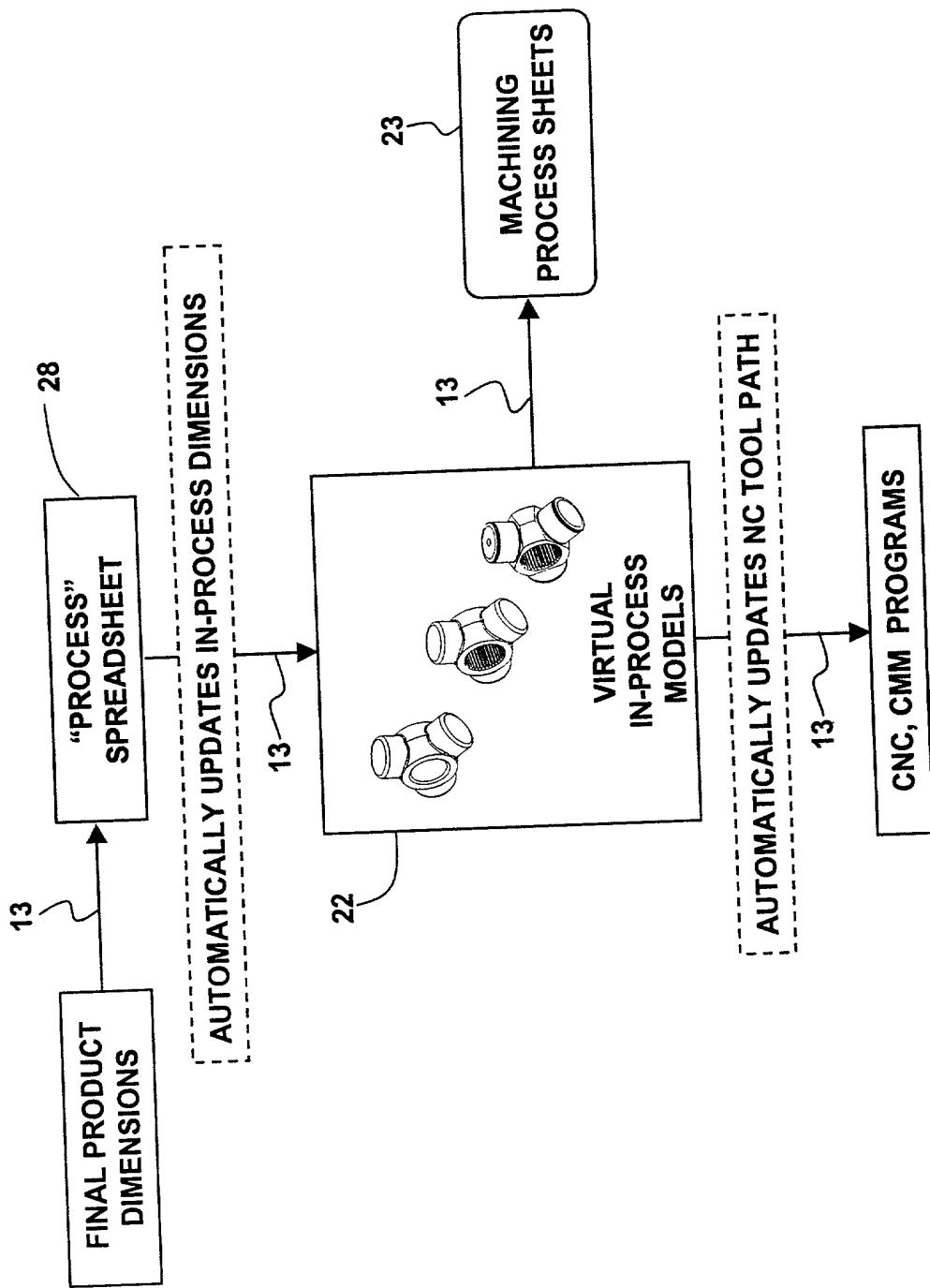


FIG. 16

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BLUE: FINAL PRODUCT DIMENSIONS		
YELLOW HILITE: PROCESS RULE		
RED: CALCULATED IN-PROCESS DIMENSIONS BASED ON PROCESS RULES		
Operations	Description	Parameters
Part		
Operation 11/13/14 Bore and Chamfer	Max_Broached_hole_diameter_after_HT	max_broach_hole_dia
	Min_Broached_hole_diameter_after_HT	min_broach_hole_dia
	Heat_treat_distortion	htd_broach
	Max_minor_diameter_of_Broached_hole_before_HT	max_minor_dia
	Min_minor_diameter_of_Broached_hole_before_HT	min_minor_dia
	Minimum recommended stock_removal(broach)	min_stk_rem
	Maximum recommended stock_removal (broach)	max_stk_rem
	Maximum_Bored_hole_diameter	max_hole_dia
	Minimum_Bored_hole_diameter	min_hole_dia
	Average_Bored_hole_diameter	avg_hole_dia

13
FINAL PRODUCT
DIMENSIONS

AUTOMATICALLY UPDATES IN-PROCESS DIMENSIONS

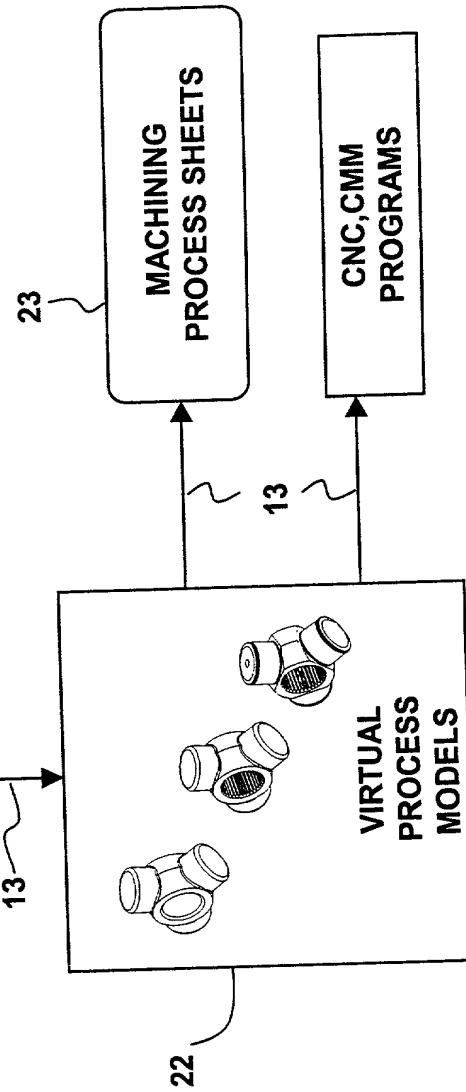


FIG. 17